

IN THE CLAIMS

1.(Currently Amended) An injection device having a propulsion system comprising a container, a re-usable pressure generating mechanism and a primary source of potential energy for propelling a fluid with sufficient pressure through an orifice to create a jet enabling subcutaneous or intracutaneous delivery of the fluid, the source of potential energy ~~primarily in the form of compressing~~ a compressible substance ~~that is~~ put under pressure within the container by the pressure generating mechanism, whereby said potential energy is substantially a compression energy of said substance ~~as defined at ambient temperature and pressure.~~

2.(Currently Amended) The device ~~Device~~ according to claim 1, wherein the compressible substance has a volumetric compressibility (dV/V) at said pressure within the container greater than 1.2 times the volumetric compressibility of water.

3.(Currently Amended) The device ~~Device~~ according to claim 1 ~~any one of the preceding claims~~, wherein the compressible substance is visco-elastic liquid or soft matter.

4.(Currently Amended) The device ~~Device~~ according to claim 3 ~~the preceding claim~~, wherein the compressible substance belongs to the family of polysiloxanes.

5.(Currently Amended) The device ~~Device~~ according to claim ~~1 or~~ 2, wherein the compressible substance is an elastic solid.

6.(Currently Amended) The device ~~Device~~ according to ~~the preceding~~ claim 5, wherein the solid is vulcanized silicon rubber.

7.(Currently Amended) The device ~~Device~~ according to ~~any one of the preceding claims~~ claim 1, wherein the volume of compressible is reduced by displacing a piston of the pressure generating mechanism.

8.(Currently Amended) The device ~~Device~~ according to ~~any one of claims 1-4 or 7~~ claim 1, further comprising a separating wall in the container enclosing the compressible substance in a rear chamber of the container, the separating wall comprising a valve that can be opened to enable the compressible substance to flow into a front chamber and transmit pressure to said fluid to be injected.

9.(Currently Amended) The device ~~Device~~ according to ~~any one of claims 1-7~~ claim 1, wherein the liquid to be injected is received in a single-use capsule or ampoule insertable into the container of the propulsion system which forms a unit.

10.(Currently Amended) The device ~~Device~~ according to claim 9, wherein the compressible substance is permanently mounted in the container.

11.(Currently Amended) The device ~~Device~~ according to claim 9, wherein the compressible substance is mounted in the capsule.

12.(Currently Amended) The device ~~Device~~ according to ~~any one of claims 9-11~~ claim 9, wherein said container comprises a separable portion, such as a cap, to open the container portion and enable the ampoule or capsule to be mounted therein.

13.(Currently Amended) The device ~~Device~~ according to ~~any one of the preceding claims~~ claim 1, further comprising retaining means comprising a plug for maintaining the pressure of the compressible substance in the container prior to use by closing an orifice or a passage.

14.(Currently Amended) The device ~~Device~~ according to claim 13, wherein the plug is mechanical plug that may be displaced to liberate said passage or orifice.

15.(Currently Amended) The device ~~Device~~ according to claim 9, wherein the ampoule comprises a flexible or deformable wall fixed to the nozzle portion to contain the fluid to be injected therein.

16.(Currently Amended) The device ~~Device~~ according to ~~the preceding claim~~ 15 , wherein a plug is arranged in the nozzle portion.

17.(Currently Amended) The device ~~Device~~ according to claim 16, wherein the plug is made of high tensile strength wire.

18.(Currently Amended) The device ~~Device~~ according to ~~any one of claims 1-7~~ claim 1, further comprising a liquid supply system having a liquid supply reservoir interconnectable with the propulsion system.

19.(Currently Amended) The device ~~Device~~ according to ~~the preceding claim~~ 1, wherein the liquid supply reservoir is interconnectable with the propulsion system through a valve controlling the blocking an opening of the nozzle orifice.

20.(Currently Amended) The device ~~Device~~ according to ~~the preceding claim~~ 19, wherein the valve comprises a cylindrical portion comprising a first passage therein for interconnecting the liquid supply container with the propulsion system in a refiling position of the valve, and a second passage for interconnecting the propulsion system with the nozzle orifice in an actuated position of the valve.

21.(Currently Amended) The device ~~Device~~ according to claim 18, ~~19 or 20~~ wherein the liquid supply system comprises a feed mechanism for dosing the supply of the liquid, the feed mechanism and the pressure generating mechanism being driven by motors controlled by an electronic control system.

22.(Currently Amended) The device ~~Device~~ according to ~~any one of the preceding claims~~ claim 1, wherein the propulsion system comprises a secondary source of potential energy generating a lower pressure than the primary source of potential energy.

23.(Currently Amended) The device ~~Device~~ according to ~~the preceding claim~~ 1, wherein the secondary source of potential energy comprises a spring.

24.(Currently Amended) The device ~~Device~~ according to the claim 22 wherein the secondary source of potential energy comprises a gas in the propulsion system container.

25.(Currently Amended) The device ~~Device~~ according to the claim 22 wherein the secondary source of potential energy comprises a pair of opposed magnets.